

**TOMAHAWK CLASSROOM EOD SYSTEM TRAINER (CEST) , DEVICE 12C3****TRAINING CATEGORY:**

GUIDED MISSILE (Familiarization)

**ORIGINATING AGENCY:**

NAVSEA

**SECURITY CLASSIFICATION:**

Device 12C3 is unclassified.

**PURPOSE OF DEVICE:**

To provide visual reference for size, location, specific shape, and tactile response for specific assemblies which constitute the Explosive Ordnance (EO) systems of the Tomahawk Sea Launch Cruise Missile (SLCM). Two (2) configurations of the SLCM are presented:

1. Harpoon Guidance and Bullpup Weapon.
2. Recover Exercise Module (REM).

**INTENDED USE:**

At Naval Ordnance Station, Indian Head, MD, for classroom training of US Navy Explosive Ordnance Disposal (EOD) technicians.

**FUNCTIONAL DESCRIPTION:**

Device 12C3 is an inert replica of a Tomahawk Cruise Missile (Sea Launch Version). The general arrangement of the device consists of an aft missile section which is common to all Tomahawk configurations. There are also two (2) complete forward sections which mate with the aft section to make a complete missile.

The two (2) forward sections and one (1) aft section are supported by three (3) independent support structures. These structures are easily moved and allow for the mating of a selected forward missile section with the common aft section.

The major external subassemblies such as wings, fins, and booster motor are deployable or removable as appropriate. Internal subassemblies are inert, nonfunctional, but high fidelity replicas of their actual missile counterparts.

Portions of the upper section access doors are made of LEXAN, which allows for viewing of the internal layout of the missile.

## DIRECTORY OF NAVAL TRAINING DEVICES

Mockups of navigation devices, parachutes, fuel tanks, and a Bullpup warhead are present in the interchangeable forward sections and mid-section of the device. A mockup of the jet engine is visible in the aft section of the device.

A set of recognition models is also included as part of Device 12C3. These recognition models include all hazardous components contained in the actual missile. They are used for hands-on familiarization of the missile internal components.

## PHYSICAL INFORMATION:

## Number of Pieces:

## Sizes:

Unit 1 - Forward Section  
(Harpoon/Bullpup) & Support  
Structure  
120" L x 50.2" W x 61" H

Unit 2 - Forward Section  
Rem & Support Structure  
120" L x 50.2" W x 61" H

Unit 3 - Aft Section  
(Common) & Support Structure  
120" L x 50.2" W x 61" H

Unit 4 - Recognition Models  
(W/case) 28" L x 22" W x 14" H

Unit 5 - Protective Covers (3)  
Two (2) Covers - 120" L x 20" Dia  
One (1) Cover - 180" L x 20" Dia

## Weight:

Unit 1 - 1,426 lbs.  
Unit 2 - 1,426 lbs.  
Unit 3 - 2,605 lbs.  
Unit 4 - 60 lbs.  
Unit 5 - 30 lbs.

## PUBLICATIONS FURNISHED:

Tomahawk EOD Trainer Operations and  
Maintenance Manual with Parts Lists NTSC  
P-5200 (U)

## PERSONNEL:

Instructor: One (1) Enlisted (PO/CPO) or  
Officer

Operator: Instructor-operated

Trainees: Class of up to (TBD)

Maintenance: Organizational, one (1) day  
per week (4 hours PMS)

## CONTRACT IDENTIFICATION:

Manufactured by General Dynamics Corp.,  
San Diego, CA under NAVTRASYSCEN Contract  
No. N61339-84-C-0009.

## LOCAL STOCK NUMBER:

6920-LL-C00-6034